

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

**RECEIVED**

SEP 25 2003

EMRE LAW DEPT.

VCL

To  
EXXONMOBIL RESEARCH AND ENGINEERING  
COMPANY  
Attn. Brumlik, Charles J.  
P.O. Box 900  
1545 Route 22 East  
Annandale, New Jersey 08801-0900  
UNITED STATES OF AMERICA

Date of mailing  
(day month year)

23/09/2003

Applicant's or agent's file reference

P2001J067

**FOR FURTHER ACTION**

See paragraphs 1 and 4 below

International application No.

PCT/US 02/ 32760

International filing date  
(day month year)

15/10/2002

Applicant

EXXONMOBIL RESEARCH AND ENGINEERING COMPANY

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46).

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report, however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: +41-22 740 14 35

**For more detailed instructions,** see the notes on the accompanying sheet

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith

3. ☐ **With regard to the protest** against payment of any additional fee(s) under Rule 40.1, the applicant is notified that

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest, the applicant will be notified as soon as a decision is made

4. **Further action(s):** The applicant is reminded of the following

Shortly after **18 months** from the priority date, the international application will be published by the international Bureau. If the applicant wishes to avoid or postpone publication or withdrawal of the international application, or of the priority claim, must reach the international Bureau as provided in Rules 40bis 1 and 40bis 3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, the applicant must pay the international preliminary examination fee, if the applicant wishes to request preliminary examination, or, within 3 months from the priority date, in some cases, the examination fee.

Within **20 months** from the priority date, the applicant must perform the prescribed procedure to file the international phase before the designated Offices which must be completed in the designated Office within the 15 month period from the priority date, or, in some cases, the designated Office, and the designated Office.

Name and address of the International Searching Authority



European Patent Office  
P.O. Box 1  
D-85435 München 85  
Germany

Applicant's name

Exxon Mobil Corp.

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

|   |  |  |
|---|--|--|
| Applicant's or agent's file reference<br><b>P2001J067</b>           | <b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small> |  |
| International application No.<br><b>PCT/US 02/ 32760</b>            | International filing date (day/month/year)<br><b>15/10/2002</b>  | (Earliest) Priority Date (day/month/year)<br><b>13/11/2001</b> |
| Applicant<br><br><b>EXXONMOBIL RESEARCH AND ENGINEERING COMPANY</b> |  |  |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.  
☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

**4. With regard to the title,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. The figure of the drawings to be published with the abstract is Figure No.**

- ☒ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.
- 1  
☐ None of the figures.

## PCT/US 02/32760

IPC 7 B01J38/00 C10G2/00 C07C1/04

IPC 7 C10G C07C

EPO-Internal

| Category : | Citation of document with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
|------------|---|-----------------------|

Y      W0 01 36352 A (CONOCO INC)  
25 May 2001 (2001-05-25)  
page 8, last paragraph -page 9, paragraph  
2; example 1  
page 5, paragraph 1  
page 7, paragraph 3  
page 14, paragraph 1

1-17

Y US 5 817 702 A (BEHRMANN WILLIAM C ET AL)  
6 October 1998 (1998-10-06)  
column 7, paragraph 1: claim 1  
column 4, paragraph 1

1-17

A US 2 472 501 A (SWEETSER SUMNER B)  
7 June 1949 (1949-06-07)  
column 3. paragraph 3; claim 1; figure 1  
column 6. paragraph 1

1, 2, 5-8,  
13, 14

— / — —

**Y** Further comments are asked in the column headed "Comments"

☒ Indicate the following:

[illegible]

$\mathcal{P}_1 = \{A_1, B_1, C_1, D_1, E_1, F_1, G_1, H_1, I_1, J_1, K_1, L_1, M_1, N_1, O_1, P_1, Q_1, R_1, S_1, T_1, U_1, V_1, W_1, X_1, Y_1, Z_1\}$   
 $\mathcal{P}_2 = \{A_2, B_2, C_2, D_2, E_2, F_2, G_2, H_2, I_2, J_2, K_2, L_2, M_2, N_2, O_2, P_2, Q_2, R_2, S_2, T_2, U_2, V_2, W_2, X_2, Y_2, Z_2\}$

[illegible]

*Journal of Management Education* 36(8)

15 September 2003

23-09-2003

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D). The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (A), 10<sup>7</sup> cells/ml (B), 10<sup>8</sup> cells/ml (C), and 10<sup>9</sup> cells/ml (D).

1. *Chlorophyll a* (Chl *a*)

Gilliquet, J. A.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/32760

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | US 2 530 998 A (SCHARMANN WALTER G)<br>21 November 1950 (1950-11-21)<br>column 7, paragraph 2; claims 1,2; example 1<br>----         | 1-3,5-9,<br>13,14     |
| A          | US 5 844 005 A (FIATO ROCCO A ET AL)<br>1 December 1998 (1998-12-01)<br>column 9, paragraph 2<br>column 6, line 45 - line 50<br>---- | 1,13,16,<br>17        |
| A          | US 5 958 986 A (MART CHARLES JOHN ET AL)<br>28 September 1999 (1999-09-28)<br>column 8, paragraph 3; claim 1; figure 1<br>----       | 1,13,16,<br>17        |
| A          | EP 0 363 537 A (EXXON RESEARCH ENGINEERING CO)<br>18 April 1990 (1990-04-18)<br>page 4, paragraph 3<br>-----                         | 1,13                  |

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/32760

| Report document<br>and number of report | Kind of document | Publication<br>date | Patent family<br>members | Publication<br>date |
|---|------------------|---------------------|--------------------------|---------------------|
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